

**Manuel C. Jardin**

3230 Arena Blvd.  
Ste. 245-346  
Sacramento, CA 95834  
916-927-2923  
eMail: mcjardin@msn.com

**Education**

Saint Mary's College  
BA Degree, 1963  
Alpha Mu Gamma, National Language Honor Society

University of California  
Hastings College of the Law  
LLB, 1966

**Professional memberships**

California State Bar Association

General Engineering Contractor

Engineering and Utility Contractors Association, Honorary Lifetime Member

Forensic Expert Witness Association

The Dispute Review Board Foundation

**Professional experience****1953 to 1966**

Worked in my family's construction company every summer and school break.

**1967 to 1970**

General Law practice

1. 1967 to 1968

Associate with the law firm of Ash & Carotta

2. 1968 to 1969

Sole practitioner

3. 1969 to 1970

Partner in Kinder & Jardin with William G. Kinder

#### 1970 to 1999

Started Manuel C. Jardim, Inc.

Specialized in underground utility replacement and trenchless rehabilitation work almost exclusively in the public sector.

Performed emergency repair work for various public agencies.

Retired in 1999.

#### Specific Types of Construction Projects:

1. Underground pipe installation in pipe sizes up to 72" diameter, at various depths up to 27' deep.

2. Pipelines requiring extensive dewatering systems including deep wells, well points, sumps, etc.

3. Pipelines requiring various shoring systems including sheet piles and walers; soldier-beam and either wood planks or steel plates; slide-rail system; trench shields; conventional hydraulic shores.

4. Trunk and interceptor sewers requiring extensive and prolonged bypass pumping systems.

5. Projects involving bored and jacked pipe in sizes up to 84" diameter.

6. Cofferdams for the construction of outfall structures.

7. Concrete structures for both sanitary and storm sewer systems.

8. Pump stations together with their wet well and other appurtenances.
9. Cathodic protection systems in conjunction with pipeline installation.
10. Large stoppel valves on pressure pipelines.
11. Minor mechanical retrofit work on treatment plants and pump stations.
12. Liners in holding ponds.
13. Rehabilitated collector and trunk sewers using the trenchless slip-line method.
14. Replaced collector and trunk sewers using the trenchless pipebursting method.
15. Excavation in all types of soil conditions ranging from bay mud and sand to clay and hard rock.
16. Extensive experience locating and protecting underground utilities, including tracing, hand exploration and vacuum excavation.
17. Extensive experience using the California Underground Service Alert requirements, also known as the "One Call" system.
18. Extensive experience installing Asbestos Cement (AC) pipe, also known as "Transite" pipe. This pipe was installed in water, sanitary and storm drain projects. The installations required cutting the AC pipe using the "wet cut" method.

#### 1973 to 1999

Member, Engineering and Utility Contractors Association

1. 1973 to 1976, Board of Directors
  - A. Vice President
  - B. Chairman, Labor Committee
  - C. Chairman, Specification Committee

2. 1985 to 1988, Board of Directors
  - A. Secretary-Treasurer
  - B. Member, Executive Board
  - C. Member, Specification Committee

1999 to present:

1. Expert witness in construction related cases.
2. Consultant
  - A. Advising, preparing and presenting construction claims.
  - B. Preparing total bid packages on underground projects.
  - C. Advising public agencies and private design firms on construction feasibility for various underground projects.

3. Arbitrator for the Better Business Bureau.

4. Dispute Review Boards:

<u>OWNER</u>	<u>PROJECT</u>
SRCSD	Bradshaw Interceptor Sewer & Tunnel
CCCSD	Pleasant Hill Relief Sewer & Tunnel
CCCSD	Dougherty Valley Tunnel & Trunk Sewer
SRCSD	Upper Northwest Interceptor Project
SRCSD	Lower Northwest Interceptor Project, West Sac Force Main
SRCSD	Lower Northwest Interceptor Project, Natomas Force Main
SFPUC	Crossover – Isolation Valves at Hayward Fault Crossing
SFPUC	Bay Pipeline # 5 – West Bay Reaches
SFPUC	Bay Pipeline # 5 – East Bay Reaches
SFPUC	San Joaquin Pipeline – Western Segment
SFPUC	Crystal Springs Pipeline

SFPUC San Joaquin Pipeline – Eastern Segment  
CalTrans Contract 04-4A0104 I-80, Dixon

5. Dispute Resolution Advisor

<u>OWNER</u>	<u>PROJECT</u>
--------------	----------------

SFPUC	Baden & San Pedro Valve Lot Improvements
-------	--

**Languages**

Fluent in Portuguese and Spanish

Read and write in Spanish

**References**

Furnished upon request

Resume Date: January 2012